

<b>Notice of Allowability</b>	Application No.	Applicant(s)	
	10/033,558	TANIGUCHI, MAKOTO	
	Examiner	Art Unit	
	Kiet Doan	2683	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/05/2004.
2. ☒ The allowed claim(s) is/are 1,3-10 and 12-19.
3. ☒ The drawings filed on 27 December 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|   | 9. <input type="checkbox"/> Other _____.   |

## DETAILED ACTION

### *Response to Amendment*

This office action is in response to Amendment file on November 05, 2004

Claims 2 and 11 have been canceled.

Claims 19 have been added.

### *Allowable Subject Matter*

1. **Claims 1-19** are allowed over prior art of record.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding **claims 1 and 10**, the prior art record, Agrawal et al. (Pub. No. 2004/0024901) teaches a home agent connected to a first network and provide mobility transparent communications to a mobile node temporarily connected to a second network as a mobile destination different from a said first network which is normally utilized (Page 4, Paragraphs 38-39, Fig.2, No.212 teach home agent connected to first network) said home agent comprising: a new registration requests from said mobile node via said second network (Page 5, Paragraph 60-61); a module detecting, when receiving the new registration request that lease addresses of a DHCP server and addresses pooled beforehand are all occupied (Page 2, Paragraphs 14-15), wherein said DHCP server is connected said home agent via said first network and is an address lender (Page 4, Paragraph 40 teach network contain DHCP server).

However, Agrawal **fail to teach** and a module searching for when detecting that all the addresses are occupied, an address on the basis of self-managed information and allocating the searched address to said mobile node: and a module temporarily pooling as the self-managed information the address requested to be opened by said mobile node without immediately returning the address to said DHCP server, as substantially connect and specific detail and combination as claimed 1 and 10.

Claims 3-9 and 12-18 are allowed as being dependent on the independent claims 1 and 10.

Regarding **claim 19**, the prior art record, Leung (Patent No. 6,487,605) teaches a home agent for transferring a packet for mobile-IP, comprising: a first module receiving a registration request from mobile node via a mobile-IP network (C10, L40-64, Fig.1, No. 8, 21 and 23 Illustrate home agent transferring packet for mobile-IP and Fig.4, Illustrate receiving registration request).

However, Leung **fail to teach** a second module allocating an IP address to said mobile node, said IP address being selected from one of DHCP server, a first pool storing IP addresses, and a second pool storing IP addresses; and a third module storing an IP addresses released from the mobile node in the second pool for a predetermined period of time, as substantially connect and specific detail and combination as claim 19.

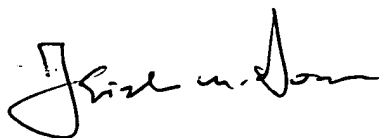
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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiet Doan whose telephone number is 703-305-4749. The examiner can normally be reached on 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 703-308-5318. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Kiet Doan  
Patent Examiner



**WILLIAM TROST**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2600**